

AMENDMENTS TO THE CLAIMS

1. (Original) A method in a distributed document object model system for associating business logic, comprising:

receiving a registration request from a business logic event handler for an event of the distributed document object model;
registering the business logic event handler; and
when an event occurs, notifying the business logic event handler;
receiving an indication from the business logic event handler; and
performing a function relating to the received indication.

2. (Original) The method of claim 1 wherein the event handler handles an event that is generated before a requested mutation is applied to a document.

3. (Original) The method of claim 2 wherein the event handler is registered for a document type.

4. (Original) The method of claim 2 wherein the handler disallows the requested mutation.

5. (Original) The method of claim 2 wherein the handler allows the requested mutation.

6. (Original) The method of claim 2 wherein event handling is performed on a client computing device.

7. (Original) The method of claim 2 wherein event handling is performed on a server computing device

8. (Original) The method of claim 1 wherein the event handler handles an event that is generated when a requested mutation is applied to a document.

9. (Original) The method of claim 1 wherein the event handler handles an event that is generated after a requested mutation is applied to a document.

10. (Original) The method of claim 1 wherein the event handler enforces a business rule.

11. (Original) The method of claim 10 wherein a business rule requests a mutation to a hierarchical document.

12. (Original) The method of claim 11 wherein an answer message is sent to a client that requested a mutation that caused the event handler to enforce the business rule that requested the mutation.

13. (Original) The method of claim 12 wherein a broadcast message is sent to another connected client.

14. (Original) The method of claim 11 wherein the business rule requests the mutation without a corresponding request from a client.

15. (Original) The method of claim 14 wherein a broadcast message is sent to all connected clients.

16. (Original) A distributed document object model system for associating business logic, comprising:

a component that receives a registration request from a business logic event handler for an event of the distributed document object model;

- a component that registers the business logic event handler;
- a component that notifies the business logic event handler when an event occurs;
- a component that receives an indication from the business logic event handler; and
- a component that performs a function relating to the received indication.

17. (Original) The system of claim 16 wherein the event handler handles an event that is generated before a requested mutation is applied to a document.

18. (Original) The system of claim 17 wherein the event handler is registered for a document type.

19. (Original) The system of claim 17 wherein the handler disallows the requested mutation.

20. (Original) The system of claim 17 wherein the handler allows the requested mutation.

21. (Original) The system of claim 17 wherein event handling is performed on a client computing device.

22. (Original) The system of claim 17 wherein event handling is performed on a server computing device

23. (Original) The system of claim 16 wherein the event handler handles an event that is generated when a requested mutation is applied to a document.

24. (Original) The system of claim 16 wherein the event handler handles an event that is generated after a requested mutation is applied to a document.

25. (Original) The system of claim 16 wherein the event handler enforces a business rule.

26. (Original) The system of claim 25 wherein a business rule requests a mutation to a hierarchical document.

27. (Original) The system of claim 26 wherein an answer message is sent to a client that requested a mutation that caused the event handler to enforce the business rule that requested the mutation.

28. (Original) The system of claim 27 wherein a broadcast message is sent to another connected client.

29. (Original) The system of claim 26 wherein the business rule requests the mutation without a corresponding request from a client.

30. (Original) The system of claim 29 wherein a broadcast message is sent to all connected clients.